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BIOT INOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/823,825

Source: OIPE

Date Processed by STIC: 4-17-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/823, 825

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length      Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES)      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES)      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 10 ☐ Use of n's or Xaa's (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☒ Use of "Artificial" (NEW RULES)      Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.  
Valid response is Artificial Sequence.
- 12 ☐ Use of <220>Feature (NEW RULES)      Sequence(s) ☐ are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,825

DATE: 04/17/2001

TIME: 10:33:21

Input Set : A:\10018.ST25.txt

Output Set: N:\CRF3\04172001\I823825.raw

3 <110> APPLICANT: Duffner, Fiona  
 4 Wilting, Reinhard  
 5 Schnorr, Kirk  
 7 <120> TITLE OF INVENTION: Signal Sequence Trapping  
 9 <130> FILE REFERENCE: 10018.200-US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/823,825  
 12 <141> CURRENT FILING DATE: 2001-03-30  
 14 <160> NUMBER OF SEQ ID NOS: 6  
 16 <170> SOFTWARE: PatentIn version 3.0  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 22  
 20 <212> TYPE: DNA  
 C--> 21 <213> ORGANISM: Artificial  
 23 <220> FEATURE:  
 24 <223> OTHER INFORMATION: Primer  
 26 <400> SEQUENCE: 1  
 27 gaagatctga agcggcgcac ga  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 21  
 32 <212> TYPE: DNA  
 C--> 33 <213> ORGANISM: Artificial  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Primer  
 38 <400> SEQUENCE: 2  
 39 gcacccaact gatcttcagc a  
 42 <210> SEQ ID NO: 3  
 43 <211> LENGTH: 21  
 44 <212> TYPE: DNA  
 C--> 45 <213> ORGANISM: artificial  
 47 <220> FEATURE:  
 48 <223> OTHER INFORMATION: Primer  
 50 <400> SEQUENCE: 3  
 51 ttattcggtc gaaaaggatc c  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 20  
 56 <212> TYPE: DNA  
 C--> 57 <213> ORGANISM: artificial  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: Primer  
 62 <400> SEQUENCE: 4  
 63 agcgtttgcg gccgcatcc  
 66 <210> SEQ ID NO: 5  
 67 <211> LENGTH: 31  
 68 <212> TYPE: DNA  
 C--> 69 <213> ORGANISM: artificial  
 71 <220> FEATURE:  
 72 <223> OTHER INFORMATION: Primer

Does Not Comply  
 Corrected Diskette Needed  
 global error

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Incomplete response for  
 <213> as per 1.823(b) of  
 the new sequence rules. See  
 #11 on the Error Summary  
 Sheet.

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/823,825

DATE: 04/17/2001

TIME: 10:33:21

Input Set : A:\10018.ST25.txt

Output Set: N:\CRF3\04172001\I823825.raw

74 <400> SEQUENCE: 5  
75 cgcggtacct acatctgtat taacgaagcg c 31  
78 <210> SEQ ID NO: 6  
79 <211> LENGTH: 29  
80 <212> TYPE: DNA  
C--> 81 <213> ORGANISM: artificial  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: Primer  
86 <400> SEQUENCE: 6  
87 cgcggtaccc gtagaaaaga tcaaaggat 29

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/823,825

DATE: 04/17/2001

TIME: 10:33:22

Input Set : A:\10018.ST25.txt

Output Set: N:\CRF3\04172001\I823825.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:21 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:33 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:45 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:57 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:69 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:81 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6